

Amendments to the claims:

This listing of claims replaces all prior versions, and listings, of claims in the application.

Listing of claims:

Claims 1-24 (canceled).

25 (new): An isolated peptide having an amino acid sequence selected from the group consisting of

X01-Thr Gly Ser Phe Phe Ser Glu Leu Trp Thr Ser (SEQ ID NO: 1) - X12 and

X01-Glu Tyr Gly Ser Phe Phe Ser Glu Leu Trp Thr Ser (SEQ ID NO: 2) - X12,

wherein

X01 = acetyl group, biotin group, fluorescent label, spacer, linker, or deletion;

X12 = amide, the free acid, GK³RR, or a spacer,

wherein R³ is an acid amide or a free acid or a spacer,

with the proviso that a maximum of one non-conservative amino acid exchange is effected per amino acid position in the sequence, wherein "non-conservative exchange" means is an exchange of amino acids between the groups mentioned below:

Group I: Leu, Ile, Val, Met, His, Trp, Tyr, Phe,

Group II: Glu, Gln, Asp, Asn,

Group III: Ser, Thr, Cys, Gly, Ala, Pro,

Group IV: Lys, Arg.

26 (new): The peptide according to claim 25, characterized by being:

TGSFF SELWT SGKK-amide or free acid,

E YGSFF SELWT SGKK-amide or free acid, which may also be acetylated N-terminally.

27 (new): The peptide according to claim 25, characterized by being bound by antibodies of patients suffering from dilatative cardiomyopathy.

28 (new): The peptide according to claim 25, characterized in that said linker is selected from the group consisting of:

- α -aminocarboxylic acids or their homo- and heterooligomers;
- α , ω -aminocarboxylic acids or their branched homo- or heterooligomers;
- other amino acids or their linear or branched homo- or heterooligomers (peptides);
- amino-oligoalkoxy-alkylamines;
- maleirimiimidocarboxylic acid derivatives;
- oligomers of alkylamines;
- 4-alkylphenyl derivatives;

- 4-oligoalkoxyphenyl or 4-oligoalkoxyphenoxy derivatives;
- 4-oligoalkylmercaptophenyl or 4-oligoalkylmercaptophenoxy derivatives;
- 4-oligoalkylaminophenyl or 4-oligoalkylaminophenoxy derivatives;
- (4-oligoalkylbenzyl)phenyl or (4-oligoalkylbenzyl)phenoxy derivatives;
- (4-oligoalkoxybenzyl)phenyl or (4-oligoalkoxybenzyl)phenoxy derivatives;
- trityl derivatives;
- benzyloxyaryl or benzyloxyalkyl derivatives;
- xanthene-3-yloxyalkyl derivatives;
- (4-alkylphenyl) or o-(4-alkylphenoxy)alkanoic acid derivatives;
- oligoalkylphenoxyalkyl or oligoalkoxyphenoxyalkyl derivatives;
- carbamate derivatives;
- amines;
- trialkylsilyl or dialkylalkoxysilyl derivatives;
- alkyl or aryl derivatives; and
- combinations thereof,

29 (new): The peptide according to claim 25, characterized by being bound to a solid phase.

30 (new): The peptide according to claim 25, characterized by being bound to a solid phase through a spacer.

- 31 (new): A medicament for treatment of dilatative cardiomyopathy containing the peptide according to claim 25 in combination with a carrier.
- 32 (new): A method of treating dilatative cardiomyopathy comprising administering to a patient the medicament according to claim 31.
- 33 (new): A method of dilatative cardiomyopathy therapy comprising removing β_1 -adrenergically active auto-antibodies from a patient's blood by extracorporeal treatment with the peptide according to claim 28 bound to a solid phase.
- 34 (new): A device for chromatography comprising the peptide according to claim 28 bound to a solid phase.